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! Object Module Synopsis !  
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Module Name	Ident	Bytes	File	Creation Date	Creator
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LBR_TRANSFER	V04-000	512	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-SEP-1984 01:47	VAX/VMS Macro V04-00
CACHE	V04-000	359	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-SEP-1984 01:46	VAX/VMS Macro V04-00
GETMEM	V04-000	258	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-SEP-1984 01:47	VAX/VMS Macro V04-00
LBRMSG	0	0	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-SEP-1984 02:09	VAX-11 Message V04-00
LBR_DATA	V04-000	156	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-Sep-1984 01:47	VAX-11 Bliss-32 V4.0-742
LBR_GETHELP	V04-000	4053	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-Sep-1984 01:50	VAX-11 Bliss-32 V4.0-742
LBR_GETPUT	V04-000	4704	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-Sep-1984 01:53	VAX-11 Bliss-32 V4.0-742
LBR_INDEX	V04-000	4184	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-Sep-1984 01:56	VAX-11 Bliss-32 V4.0-742
LBR_OLDLIB	V04-000	2267	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-Sep-1984 01:59	VAX-11 Bliss-32 V4.0-742
LBR_OPENCLOSE	V04-000	3465	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-Sep-1984 02:01	VAX-11 Bliss-32 V4.0-742
LBR_OUTPUTHELP	V04-000	4298	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-Sep-1984 02:04	VAX-11 Bliss-32 V4.0-742
LBR_PUTCACHE	V04-000	744	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-Sep-1984 02:06	VAX-11 Bliss-32 V4.0-742
LBR_SUBS	V04-000	1068	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-Sep-1984 02:07	VAX-11 Bliss-32 V4.0-742
PAD	V04-000	1024	-\$255\$DUA28:[LBR.OBJ]LBR.OLB;1	16-SEP-1984 01:47	VAX/VMS Macro V04-00
DCXSHR	V04-000	0	-\$255\$DUA28:[DCX.OBJ]DCXSHR.STB;1	16-SEP-1984 04:13	VAX-11 Linker V04-00
MATCHNAME	V04-000	72	-\$255\$DUA28:[SYSLIB]SYSBLDLIB.OLB;1	16-SEP-1984 02:18	VAX/VMS Macro V04-00
CALLIMAGE	V04-000	377	-\$255\$DUA28:[SYSLIB]SYSBLDLIB.OLB;1	16-SEP-1984 02:16	VAX/VMS Macro V04-00
LIB\$CVT_ATB	V04-000	122	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	16-SEP-1984 02:17	VAX/VMS Macro V04-00
LIB\$EF	1-006	217	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	15-SEP-1984 23:59	VAX/VMS Macro V04-00
LIB\$VM	2-046	676	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	16-Sep-1984 01:20	VAX-11 Bliss-32 V4.0-742
LIB\$PUT_OUTPUT	1-006	262	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	16-Sep-1984 01:08	VAX-11 Bliss-32 V4.0-742
LIB\$SIGNAL	1-018	220	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	16-SEP-1984 00:18	VAX/VMS Macro V04-00
LIB\$MSGDEF	2-018	0	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	15-SEP-1984 23:43	VAX-11 Message V04-00
SYSS\$SDEF	V04-000	0	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	16-SEP-1984 01:18	VAX/VMS Macro V04-00
SYSP1_VECTOR	V04-000	0	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	16-SEP-1984 00:40	VAX/VMS Macro V04-00
LIB\$ANALYZE_SDESC	1-003	101	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	15-SEP-1984 23:47	VAX/VMS Macro V04-00
LIB\$MSGDEF	2-018	0	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	15-SEP-1984 23:43	VAX-11 Message V04-00

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Key for special characters above:

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! R - Relocatable !
! P - Protected  !
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+-----+  
! Program Section Synopsis !  
+-----+

Psect Name	Module Name	Base	End	Length	Align	Attributes
\$VECTOR_0_LBR	LBR_TRANSFER	00000000	000001FF	00000200 (	512.)	BYTE 0 NOPIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC
		00000000	000001FF	00000200 (	512.)	BYTE 0
\$GLOBALS	LBR_DATA	00000200	0000049B	0000029C (	668.)	LONG 2 NOPIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
		00000200	0000029B	0000009C (	156.)	LONG 2
	PAD	0000029C	0000049B	00000200 (	512.)	BYTE 0
\$OWNS	GETMEM	0000049C	0000068B	000001F0 (	496.)	LONG 2 NOPIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
		0000049C	00000483	00000018 (	24.)	BYTE 0
	LBR_OPENCLOSE	00000484	000004D3	00000020 (	32.)	LONG 2
	LBR_OUTPUTHELP	000004D4	0000068B	00000188 (	440.)	LONG 2
\$CODE\$	CACHE	00000800	00006B53	00006354 (	25428.)	LONG 2 NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
		00000800	00000966	00000167 (	359.)	BYTE 0
	GETMEM	00000967	00000A50	000000EA (	234.)	BYTE 0
	LBR_GETHELP	00000A54	00001A28	00000FD5 (	4053.)	LONG 2
	LBR_GETPUT	00001A2C	00002C8B	00001260 (	4704.)	LONG 2
	LBR_INDEX	00002C8C	00003CE3	00001058 (	4184.)	LONG 2
	LBR_OLDLIB	00003CE4	000045BE	000008DB (	2267.)	LONG 2
	LBR_OPENCLOSE	000045C0	00005328	00000D69 (	3433.)	LONG 2
	LBR_OUTPUTHELP	0000532C	0000623D	00000F12 (	3858.)	LONG 2
	LBR_PUTCACHE	00006240	00006527	000002E8 (	744.)	LONG 2
	LBR_SUBS	00006528	00006953	0000042C (	1068.)	LONG 2
	PAD	00006954	00006B53	00000200 (	512.)	BYTE 0
_LIB\$CODE	MATCHNAME	00006B54	0000730C	000007B9 (	1977.)	LONG 2 NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
		00006B54	00006B9B	00000048 (	72.)	BYTE 0
	CALLIMAGE	00006B9C	00006D10	00000175 (	373.)	BYTE 0
	LIB\$CVT_ATB	00006D14	00006D8D	0000007A (	122.)	LONG 2
	LIB\$EF	00006D90	00006E60	000000D1 (	209.)	LONG 2
	LIB\$VM	00006E64	000070C7	00000264 (	612.)	LONG 2
	LIB\$PUT_OUTPUT	000070C8	000071CB	00000104 (	260.)	LONG 2
	LIB\$SIGNAL	000071CC	000072A7	000000DC (	220.)	LONG 2
	LIB\$ANALYZE_SDESC	000072A8	0000730C	00000065 (	101.)	LONG 2
_LIB\$DATA	CALLIMAGE	00007400	0000744F	00000050 (	80.)	LONG 2 PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
		00007400	00007403	00000004 (	4.)	BYTE 0
	LIB\$EF	00007404	0000740B	00000008 (	8.)	LONG 2
	LIB\$VM	0000740C	0000744B	00000040 (	64.)	LONG 2
	LIB\$PUT_OUTPUT	0000744C	0000744D	00000002 (	2.)	LONG 2
	LIB\$ANALYZE_SDESC	00007450	00007450	00000000 (	0.)	LONG 2

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+-----+
! Symbol Cross Reference !
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Symbol	Value	Defined By	Referenced By ...
ADD_CACHE	00000800-R	CACHE	LBR_GETPUT LBR_SUBS
ADD_KEY	0000313C-R	LBR_INDEX	
ALLOC_BLOCK	00006677-R	LBR_SUBS	LBR_GETPUT
CHECK_LOCK	00003CA7-R	LBR_INDEX	LBR_PUTCACHE
DCX\$ANALYZE_DATA	00000008-R	DCXSHR	LBR_DATA
DCX\$ANALYZE_DONE	00000018-R	DCXSHR	LBR_DATA
DCX\$ANALYZE_INIT	00000000-R	DCXSHR	LBR_DATA
DCX\$COMPRESS_DATA	00000028-R	DCXSHR	LBR_DATA
DCX\$COMPRESS_DONE	00000030-R	DCXSHR	LBR_DATA
DCX\$COMPRESS_INIT	00000020-R	DCXSHR	LBR_DATA
DCX\$C_BOUNDED	00000101	DCXSHR	
DCX\$C_EST_BYTES	00000202	DCXSHR	
DCX\$C_EST_RECORDS	00000201	DCXSHR	
DCX\$C_LIST	00000001	DCXSHR	
DCX\$C_ONE_PASS	00000102	DCXSHR	
DCX\$EXPAND_DATA	00000040-R	DCXSHR	LBR_DATA
DCX\$EXPAND_DONE	00000048-R	DCXSHR	LBR_DATA
DCX\$EXPAND_INIT	00000038-R	DCXSHR	LBR_DATA
DCX\$MAKE_MAP	00000010-R	DCXSHR	LBR_DATA
DCX\$_AGAIN	00F68403	DCXSHR	LBR_OPENCLOSE
DCX\$_INVARG	00F69002	DCXSHR	
DCX\$_INVCTX	00F69012	DCXSHR	
DCX\$_INVDATA	00F6900A	DCXSHR	
DCX\$_INVMAP	00F69022	DCXSHR	
DCX\$_NORMAL	00F68001	DCXSHR	LBR_OPENCLOSE
DCX\$_TRUNC	00F68800	DCXSHR	
DCXSHR_ADDRESS	00000270-R	LBR_DATA	LBR_GETHELP
DCX_ANALYZE_DATA	00000278-R	LBR_DATA	LBR_OPENCLOSE
DCX_ANALYZE_DONE	0000027C-R	LBR_DATA	LBR_OPENCLOSE
DCX_ANALYZE_INIT	00000274-R	LBR_DATA	LBR_OPENCLOSE
DCX_COMPRESS_DATA	00000284-R	LBR_DATA	LBR_GETPUT
DCX_COMPRESS_DONE	00000288-R	LBR_DATA	LBR_OPENCLOSE
DCX_COMPRESS_INIT	00000280-R	LBR_DATA	LBR_OPENCLOSE
DCX_EXPAND_DATA	00000290-R	LBR_DATA	LBR_GETHELP
DCX_EXPAND_DONE	00000294-R	LBR_DATA	LBR_OPENCLOSE
DCX_EXPAND_INIT	0000028C-R	LBR_DATA	LBR_OPENCLOSE
DCX_IT	00004792-R	LBR_OPENCLOSE	
DCX_MAKE_MAP	00000298-R	LBR_DATA	LBR_OPENCLOSE
DEALLOC_BLOCK	000066DD-R	LBR_SUBS	LBR_GETPUT
DEALLOC_CACHE	0000646E-R	LBR_PUTCACHE	LBR_OPENCLOSE
DEALLOC_MEM	000065D3-R	LBR_SUBS	CACHE
			LBR_INDEX
			LBR_PUTCACHE
			LBR_INDEX
DECR_REFCNT	000024F9-R	LBR_GETPUT	
DELETE_DATA	00001E3A-R	LBR_GETPUT	
DELETE_KEY	00002EDF-R	LBR_INDEX	
EMPTY_CACHE	000008EA-R	CACHE	
FIND_BLOCK	000065F6-R	LBR_SUBS	LBR_INDEX



<u>Symbol</u>	<u>Value</u>	<u>Defined By</u>	<u>Referenced By ...</u>
FIND_INDEX	0000391B-R	LBR_INDEX	
FIND_KEY	0000369E-R	LBR_INDEX	LBR_GETPUT
FMGSMATCH_NAME	00006B54-R	MATCHNAME	LBR_GETHelp
GET_MEM	000065D0-R	LBR_SUBS	LBR_GETHelp
			LBR_OLDLIB
GET_ZMEM	000065D6-R	LBR_SUBS	LBR_OPENCLOSE
			CACHE
			LBR_GETPUT
INCR_REFCNT	00002451-R	LBR_GETPUT	LBR_OPENCLOSE
INCR_RFA	00006930-R	LBR_SUBS	LBR_INDEX
LBR\$AL_CTLTAB	00000208-R	LBR_DATA	LBR_GETPUT
LBR\$CLOSE	00004EF8-RU	LBR_OPENCLOSE	LBR_INDEX
LBR\$DCX_MAP	00004636-RU	LBR_OPENCLOSE	LBR_SUBS
LBR\$DELETE_DATA	00001DAA-RU	LBR_GETPUT	LBR_TRANSFER
LBR\$DELETE_KEY	00002EA7-RU	LBR_INDEX	
LBR\$FIND	00001A74-RU	LBR_GETPUT	
LBR\$FLUSH	000064CE-RU	LBR_PUTCACHE	LBR_TRANSFER
LBR\$FREE_VM	000009D6-R	GETMEM	
LBR\$GET_HEADER	000051DD-RU	LBR_OPENCLOSE	
LBR\$GET_HELP	00000B57-RU	LBR_GETHelp	
LBR\$GET_HISTORY	00002B62-RU	LBR_GETPUT	LBR_TRANSFER
LBR\$GET_INDEX	00002F34-RU	LBR_INDEX	
LBR\$GET_RECORD	00001C77-RU	LBR_GETPUT	LBR_TRANSFER
LBR\$GET_VM	00000967-R	GETMEM	
LBR\$GL_CONTROL	00000200-RU	LBR_DATA	LBR_OPENCLOSE
			CACHE
			LBR_GETHelp
			LBR_INDEX
			LBR_OLDLIB
			LBR_PUTCACHE
			LBR_SUBS
LBR\$GL_HICTL	00000248-R	LBR_DATA	
LBR\$GL_MAXIDXRD	0000026C-R	LBR_DATA	
LBR\$GL_MAXREAD	00000268-R	LBR_DATA	LBR_INDEX
			LBR_OPENCLOSE
LBR\$GL_RMSTTV	00000204-RU	LBR_DATA	
			LBR_GETPUT
			LBR_PUTCACHE
LBR\$GT_EOTDESC	0000024C-R	LBR_DATA	LBR_OPENCLOSE
LBR\$GT_LBRVER	00000250-R	LBR_DATA	LBR_GETPUT
LBR\$INT_CONTROL	000045C0-RU	LBR_OPENCLOSE	LBR_OPENCLOSE
LBR\$INSERT_KEY	00002D99-RU	LBR_INDEX	LBR_TRANSFER
LBR\$INSERT_TIME	000025A1-RU	LBR_GETPUT	
LBR\$K_LIBLOCKS	0000000A	LBR_OLDLIB	
LBR\$LOAD DCX	000047F8-R	LBR_OPENCLOSE	
LBR\$LOOKUP_KEY	00002CCA-RU	LBR_INDEX	LBR_GETHelp
LBR\$OPEN	00004838-RU	LBR_OPENCLOSE	LBR_GETPUT
LBR\$OUTPUT_HELP	0000532C-RU	LBR_OUTPUTHELP	LBR_TRANSFER
LBR\$PATCH	00006954-R	PAD	
LBR\$PUT_END	00001C1D-RU	LBR_GETPUT	
LBR\$PUT_HISTORY	00002867-RU	LBR_GETPUT	LBR_TRANSFER
LBR\$PUT_RECORD	00001B10-RU	LBR_GETPUT	LBR_TRANSFER
LBR\$REPLACE KEY	00002E01-RU	LBR_INDEX	LBR_TRANSFER
LBR\$RET_RMSTTV	000052DF-RU	LBR_OPENCLOSE	LBR_TRANSFER
LBR\$SEARCH	00003046-RU	LBR_INDEX	LBR_TRANSFER
LBR\$SET_INDEX	00002C8C-RU	LBR_INDEX	LBR_TRANSFER
LBR\$SET_LOCATE	000052A5-RU	LBR_OPENCLOSE	LBR_TRANSFER
LBR\$SET_MODULE	00002659-RU	LBR_GETPUT	LBR_TRANSFER

Symbol	Value	Defined By	Referenced By ...
LBR\$SET MOVE	000052C2-RU	LBR_OPENCLOSE	LBR_TRANSFER
LBR\$_ALCWRNGBLK	00269002-U	LBRMSG	
LBR\$_BADPARAM	002690C2-U	LBRMSG	LBR_PUTCACHE
LBR\$_DUPKEY	0026900A-U	LBRMSG	LBR_INDEX
LBR\$_EMPTYHIST	0026840B-U	LBRMSG	LBR_GETPUT
LBR\$_ENDTOPIC	00268848-U	LBRMSG	LBR_OUTPUTHELP
LBR\$_ERRCLOSE	00268840-U	LBRMSG	LBR_OPENCLOSE
LBR\$_FACILITY	00000026	LBRMSG	
LBR\$_HDRTRUNC	00268800-U	LBRMSG	LBR_GETPUT
LBR\$_ILLCREOPT	0026901A-U	LBRMSG	LBR_OPENCLOSE
LBR\$_ILLCTL	00269012-U	LBRMSG	LBR_INDEX
LBR\$_ILLFMT	0026902A-U	LBRMSG	LBR_OPENCLOSE
LBR\$_ILLFUNC	00269032-U	LBRMSG	LBR_OPENCLOSE
LBR\$_ILLIDXNUM	00269022-U	LBRMSG	LBR_INDEX
LBR\$_ILLINROU	002690EA-U	LBRMSG	LBR_OUTPUTHELP
LBR\$_ILLOP	0026903A-U	LBRMSG	LBR_GETPUT
LBR\$_ILLOUTROU	002690DA-U	LBRMSG	LBR_OUTPUTHELP
LBR\$_ILLOUTWID	002690E2-U	LBRMSG	
LBR\$_ILLTYP	00269042-U	LBRMSG	LBR_OPENCLOSE
LBR\$_INTRNLERR	002690CA-U	LBRMSG	LBR_GETPUT
LBR\$_INVKEY	0026904A-U	LBRMSG	LBR_INDEX
LBR\$_INVNAM	00269052-U	LBRMSG	LBR_INDEX
LBR\$_INVRFA	0026905A-U	LBRMSG	LBR_INDEX
LBR\$_KEYINDEX	00268009-U	LBRMSG	
LBR\$_KEYINS	00268011-U	LBRMSG	
LBR\$_KEYNOTFND	00269062-U	LBRMSG	
LBR\$_LIBNOTOPN	0026906A-U	LBRMSG	LBR_INDEX
LBR\$_LIBOPN	0026907A-U	LBRMSG	LBR_INDEX
LBR\$_LKPNOTDON	00269072-U	LBRMSG	LBR_OPENCLOSE
LBR\$_NOFILNAM	00269082-U	LBRMSG	LBR_GETPUT
LBR\$_NOHISTORY	00268403-U	LBRMSG	LBR_OPENCLOSE
LBR\$_NOHLPLIBS	00269102	LBRMSG	LBR_GETPUT
LBR\$_NOHLPTXT	0026908A-U	LBRMSG	LBR_OUTPUTHELP
LBR\$_NOMTCHFOU	00268838-U	LBRMSG	
LBR\$_NORMAL	00268001-U	LBRMSG	LBR_INDEX
			LBR_GETHELP
			LBR_OPENCLOSE
			LBR_GETHELP
LBR\$_NOTHLPLIB	00269092-U	LBRMSG	
LBR\$_NOUPDHIST	00268808-U	LBRMSG	
LBR\$_NULIDX	00268810-U	LBRMSG	LBR_INDEX
LBR\$_OLDLIBRARY	00268019-U	LBRMSG	LBR_OPENCLOSE
LBR\$_OLDMISMCH	00268818-U	LBRMSG	LBR_OPENCLOSE
LBR\$_RECLNG	0026909A-U	LBRMSG	LBR_GETPUT
LBR\$_RECTRUNC	00268820-U	LBRMSG	LBR_GETPUT
LBR\$_REFCNTZERO	002690A2-U	LBRMSG	
LBR\$_RFAPASTEOP	002690AA-U	LBRMSG	LBR_GETPUT
LBR\$_STILLKEYS	00268828-U	LBRMSG	LBR_GETPUT
LBR\$_TOOMNYARG	002690F2-U	LBRMSG	LBR_OUTPUTHELP
LBR\$_TOOMNYLIB	002690B2-U	LBRMSG	LBR_OPENCLOSE
LBR\$_TYPMISMCH	00268830-U	LBRMSG	LBR_OPENCLOSE
LBR\$_UPDURTRAV	002690BA-U	LBRMSG	LBR_INDEX
LBR\$_USRINPERR	002690FA-U	LBRMSG	LBR_OUTPUTHELP
LBR\$_WRITEERR	002690D2-U	LBRMSG	LBR_PUTCACHE



Symbol	Value	Defined By	Referenced By ...
LBR_DEAL_MEM	00005157-R	LBR_OPENCLOSE	
LBR_OLD_GET_IDX	000043FB-R	LBR_OLDLIB	LBR_INDEX
LBR_OLD_LIB_DAT	00003CE4-R	LBR_OLDLIB	LBR_OPENCLOSE
LBR_OLD_LKP_KEY	00003DA5-R	LBR_OLDLIB	LBR_INDEX
LBR_OLD_SRC_IDX	00004423-R	LBR_OLDLIB	LBR_INDEX
LIB\$SGL_FREVM_C	00007444-R	LIB\$VM	
LIB\$SGL_GETVM_C	00007440-R	LIB\$VM	
LIB\$SGL_VMINUSE	00007448-R	LIB\$VM	
LIB\$ADR_IMAGE	00006B9C-R	CALLIMAGE	LBR_OPENCLOSE
LIB\$ANALYZE_SDESC	000072A8-R	LIB\$ANALYZE_SDESC	
LIB\$ANALYZE_SDESC_R2	000072BD-R	LIB\$ANALYZE_SDESC	LIB\$PUT_OUTPUT
LIB\$CALL_IMAGE	00006BBB-R	CALLIMAGE	
LIB\$CVT_OTB	00006D1D-R	LIB\$CVT_ATB	LBR_GETHELP
LIB\$CVT_HTB	00006D2B-R	LIB\$CVT_ATB	
LIB\$CVT_OTB	00006D24-R	LIB\$CVT_ATB	
LIB\$FREE_EF	00006DCF-R	LIB\$EF	LBR_OPENCLOSE
LIB\$FREE_VM	00006FEE-R	LIB\$VM	CALLIMAGE
LIB\$GET_EF	00006D90-R	LIB\$EF	LBR_OPENCLOSE
LIB\$GET_VM	00006E64-R	LIB\$VM	CALLIMAGE
LIB\$MAP_IMAGE	00006BAC-R	CALLIMAGE	
LIB\$PUT_OUTPUT	000070D4-R	LIB\$PUT_OUTPUT	LBR_GETHELP
LIB\$RESERVE_EF	00006E18-R	LIB\$EF	
LIB\$SIGNAL	000071D2-R	LIB\$SIGNAL	LBR_OPENCLOSE
LIB\$STOP	000071CC-R	LIB\$SIGNAL	LBR_OUTPUTHELP
LIB\$BADBLOADR	00158264	LIB\$MSGDEF	
LIB\$BADBLOSIZ	0015826C	LIB\$MSGDEF	LIB\$VM
LIB\$EF_ALRFRE	0015829C	LIB\$MSGDEF	LIB\$VM
LIB\$EF_ALRFRES	001582A4	LIB\$MSGDEF	LIB\$EF
LIB\$EF_RESSYS	001582AC	LIB\$MSGDEF	LIB\$EF
LIB\$FATERRLIB	0015820C	LIB\$MSGDEF	LIB\$EF
LIB\$INSEF	00158294	LIB\$MSGDEF	LIB\$VM
LIB\$INSVIRMEM	00158214	LIB\$MSGDEF	LIB\$EF
LIB\$INVSTRDES	00158224	LIB\$MSGDEF	LIB\$VM
LOOKUP_CACHE	000008C8-R	LIB\$MSGDEF	LIB\$ANALYZE_SDESC
		CACHE	LBR_GETPUT
			LBR_INDEX
			LBR_PUTCACHE
LOGKUP_KEY	0000354A-R	LBR_INDEX	
MAKE_UPPER_CASE	00006528-R	LBR_SUBS	
MARK_DIRTY	00003CCA-R	LBR_INDEX	
MEM\$C_DYNMEM	000004AC-R	GETMEM	
MEM\$C_MAXBLK	0000049C-R	GETMEM	
MEM\$C_MEMEXP	000004A0-R	GETMEM	
MOVETO_UPPER_CASE	000065AC-R	LBR_SUBS	LBR_GETPUT
NEWSL_BLK\$	000004A4-R	GETMEM	LBR_OPENCLOSE
READ_BLOCK	000067B5-R	LBR_SUBS	LBR_INDEX
			LBR_OLDLIB
READ_N_BLOCK	000067F9-R	LBR_SUBS	
READ_OLD_RECORD	000021A4-R	LBR_GETPUT	LBR_INDEX
READ_RECORD	00002052-R	LBR_GETPUT	LBR_INDEX
REMOVE_CACHE	000008D3-R	CACHE	LBR_GETHELP
REMOVE_KEY	0000345E-R	LBR_INDEX	LBR_INDEX
SET_MODULE	000026CC-R	LBR_GETPUT	
SS\$ACCVIO	0000000C	SYS\$SDEF	LBR_INDEX
			CALLIMAGE

Symbol	Value	Defined By	Referenced By ...
SYSSADJWSL	7FFEDE28	SYSSP1_VECTOR	LBR_OPENCLOSE
SYSSBINTIM	7FFEDE58	SYSSP1_VECTOR	LBR_GETPUT
SYSSCLOSE	7FFEE1B8	SYSSP1_VECTOR	LBR_OPENCLOSE
SYSSCONNECT	7FFEE1C0	SYSSP1_VECTOR	LBR_OPENCLOSE
SYSSCREATE	7FFEE1C8	SYSSP1_VECTOR	LBR_OPENCLOSE
SYSSDISCONNECT	7FFEE1D0	SYSSP1_VECTOR	LBR_OPENCLOSE
SYSEXPREG	7FFEDF48	SYSSP1_VECTOR	GETMEM
SYSSFAO	7FFEDF50	SYSSP1_VECTOR	LBR_GETPUT
SYSSGETTIM	7FFEDF78	SYSSP1_VECTOR	LBR_GETPUT
SYSSIMGACT	7FFEDF90	SYSSP1_VECTOR	CALLIMAGE
SYSSIMGFIX	7FFEE400	SYSSP1_VECTOR	CALLIMAGE
SYSSOPEN	7FFEE208	SYSSP1_VECTOR	LBR_OPENCLOSE
SYSSPARSE	7FFEE230	SYSSP1_VECTOR	LBR_OUTPUTHELP
SYSSPUT	7FFEE188	SYSSP1_VECTOR	LBR_OUTPUTHELP
SYSSREAD	7FFEE190	SYSSP1_VECTOR	LBR_GETPUT
SYSSSEARCH	7FFEE248	SYSSP1_VECTOR	LBR_OUTPUTHELP
SYSSSETAST	7FFEDFF8	SYSSP1_VECTOR	LIB\$VM
SYSSSETIMR	7FFEE020	SYSSP1_VECTOR	LBR_OPENCLOSE
SYSSSRCHANDLER	7FFEE118	SYSSP1_VECTOR	LIB\$SIGNAL
SYSSTRNLOG	7FFEE058	SYSSP1_VECTOR	LBR_OUTPUTHELP
SYSSWAIT	7FFEE1A8	SYSSP1_VECTOR	LIB\$PUT_OUTPUT
SYSSWAITFR	7FFEE078	SYSSP1_VECTOR	LBR_OPENCLOSE
SYSSWRITE	7FFEE1B0	SYSSP1_VECTOR	LBR_PUTCACHE
TRAVERSE_KEYS	0000364F-R	LBR_INDEX	LBR_GETHELP
VALIDATE_CTL	00006641-R	LBR_SUBS	LBR_GETHELP
WRITE_BLOCK	00006783-R	LBR_SUBS	LBR_OPENCLOSE
WRITE_RECORD	00001F37-R	LBR_GETPUT	CACHE
			LBR_INDEX

LBR\_OUTPUTHELP  
LIB\$PUT\_OUTPUT  
LIB\$PUT\_OUTPUT

LIB\$PUT\_OUTPUT  
LBR\_OPENCLOSE  
LBR\_SUBS

LBR\_SUBS  
LBR\_GETPUT  
LBR\_PUTCACHE  
LBR\_OPENCLOSE  
LBR\_INDEX  
LBR\_PUTCACHE



+-----+  
! Symbols By Value !  
+-----+

Value

Symbols...

00000000	R-DCX\$ANALYZE_INIT
00000001	DCX\$C_LIST
00000008	R-DCX\$ANALYZE_DATA
0000000A	LBR\$K_LIBBLOCKS
0000000C	SS\$ ACCVIO
00000010	R-DCX\$MAKE_MAP
00000018	R-DCX\$ANALYZE_DONE
00000020	R-DCX\$COMPRESS_INIT
00000026	LBR\$ FACILITY
00000028	R-DCX\$COMPRESS_DATA
00000030	R-DCX\$COMPRESS_DONE
00000038	R-DCX\$EXPAND_INIT
00000040	R-DCX\$EXPAND_DATA
00000048	R-DCX\$EXPAND_DONE
00000101	DCX\$C_BOUNDED
00000102	DCX\$C_ONE_PASS
00000200	RU-LBR\$G[ CONTROL
00000201	DCX\$C_EST_RECORDS
00000202	DCX\$C_EST_BYTES
00000204	RU-LBR\$G[ RMSSTV
00000208	R-LBR\$AL_CTLTAB
00000248	R-LBR\$GL_HICTL
0000024C	R-LBR\$GT_EOTDESC
00000250	R-LBR\$GT_LBRVER
00000268	R-LBR\$GL_MAXREAD
0000026C	R-LBR\$GL_MAXIDXRD
00000270	R-DCX\$HR_ADDRESS
00000274	R-DCX_ANALYZE_INIT
00000278	R-DCX_ANALYZE_DATA
0000027C	R-DCX_ANALYZE_DONE
00000280	R-DCX_COMPRESS_INIT
00000284	R-DCX_COMPRESS_DATA
00000288	R-DCX_COMPRESS_DONE
0000028C	R-DCX_EXPAND_INIT
00000290	R-DCX_EXPAND_DATA
00000294	R-DCX_EXPAND_DONE
00000298	R-DCX_MAKE_MAP
0000049C	R-MEM\$L_MAXBLK
000004A0	R-MEM\$L_MEMEXP
000004A4	R-NEW\$L_BLK\$
000004AC	R-MEM\$L_DYNMEM
00000800	R-ADD CACHE
000008C8	R-LOOKUP_CACHE
000008D3	R-REMOVE_CACHE
000008EA	R-EMPTY_CACHE
00000967	R-LBR\$GET_VM
000009D6	R-LBR\$FREE_VM
00000B57	RU-LBR\$GET_HELP
00001A74	RU-LBR\$FIND



Value	Symbols...
00001B10	RU-LBR\$PUT_RECORD
00001C1D	RU-LBR\$PUT_END
00001C77	RU-LBR\$GET_RECORD
00001DAA	RU-LBR\$DELETE_DATA
00001E3A	R-DELETE_DATA
00001F37	R-WRITE_RECORD
00002052	R-READ_RECORD
000021A4	R-READ_OLD_RECORD
00002451	R-INCR_REFCNT
000024F9	R-DECR_REFCNT
000025A1	RU-LBR\$INSERT_TIME
00002659	RU-LBR\$SET_MODULE
000026CC	R-SET_MODULE
00002867	RU-LBR\$PUT_HISTORY
00002B62	RU-LBR\$GET_HISTORY
00002C8C	RU-LBR\$SET_INDEX
00002CCA	RU-LBR\$LOOKUP_KEY
00002D99	RU-LBR\$INSERT_KEY
00002E01	R-LBR\$REPLACE_KEY
00002EA7	RU-LBR\$DELETE_KEY
00002EDF	R-DELETE_KEY
00002F34	R-LBR\$GET_INDEX
00003046	RU-LBR\$SEARCH
0000313C	R-ADD_KEY
0000345E	R-REMOVE_KEY
0000354A	R-LOOKUP_KEY
0000364F	R-TRAVERSE_KEYS
0000369E	R-FIND_KEY
0000391B	R-FIND_INDEX
00003CA7	R-CHECK_LOCK
00003CCA	R-MARK_DIRTY
00003CE4	R-LBR_OLD_LIB_DAY
00003DA5	R-LBR_OLD_LKP_KEY
000043FB	R-LBR_OLD_GET_IDX
00004423	R-LBR_OLD_SRC_IDX
000045C0	RU-LBR\$INI_CONTROL
00004636	RU-LBR\$DCX_MAP
00004792	R-DCX_IT
000047F8	R-LBR\$LOAD_DCX
00004838	RU-LBR\$OPEN
00004EF8	RU-LBR\$CLOSE
00005157	R-LBR DEAL MEM
000051DD	RU-LBR\$GET_HEADER
000052A5	RU-LBR\$SET_LOCATE
000052C2	RU-LBR\$SET_MOVE
000052DF	RU-LBR\$RET_RMSSTV
0000532C	RU-LBR\$OUTPUT_HELP
0000646E	R-DEALLOC_CACHE
000064CE	RU-LBR\$FLUSH
00006528	R-MAKE_UPPER_CASE
000065AC	R-MOVETO_UPPER_CASE
000065D0	R-GET_MEM



Value	Symbols...
000065D3	R-DEALLOC MEM
000065D6	R-GET_ZMEM
000065F6	R-FIND_BLOCK
00006641	R-VALIDATE_CTL
00006677	R-ALLOC_BLOCK
000066DD	R-DEALLOC_BLOCK
00006783	R-WRITE_BLOCK
000067B5	R-READ_BLOCK
000067F9	R-READ_N_BLOCK
00006930	R-INCR_RFA
00006954	R-LBR\$PATCH
00006B54	R-FMG\$MATCH_NAME
00006B9C	R-LIB\$ADR_IMAGE
00006BAC	R-LIB\$MAP_IMAGE
00006BBB	R-LIB\$CALC_IMAGE
00006D1D	R-LIB\$CVT_DTB
00006D24	R-LIB\$CVT_OTB
00006D2B	R-LIB\$CVT-HTB
00006D90	R-LIB\$GET_EF
00006DCF	R-LIB\$FREE_EF
00006E18	R-LIB\$RESERVE_EF
00006E64	R-LIB\$GET_VM
00006FEE	R-LIB\$FREE_VM
000070D4	R-LIB\$PUT_OUTPUT
000071CC	R-LIB\$STOP
000071D2	R-LIB\$SIGNAL
000072A8	R-LIB\$ANALYZE_SDESC
000072BD	R-LIB\$ANALYZE_SDESC_R2
00007440	R-LIB\$\$GL_GETVM_C
00007444	R-LIB\$\$GL_FREVM_C
00007448	R-LIB\$\$GL_VMINUSE
0015820C	LIB\$_FATERRLIB
00158214	LIB\$_INSVIRMEM
00158224	LIB\$_INVSTRDES
00158264	LIB\$_BADBLOADR
0015826C	LIB\$_BADBLOSIZ
00158294	LIB\$_INSEF
0015829C	LIB\$_EF_ALRFRE
001582A4	LIB\$_EF_ALRRES
001582AC	LIB\$_EF_RESSYS
00268001	U-LBR\$_NORMAL
00268009	U-LBR\$_KEYINDEX
00268011	U-LBR\$_KEYINS
00268019	U-LBR\$_OLDLIBRARY
00268403	U-LBR\$_NOHISTORY
0026840B	U-LBR\$_EMPTYHIST
00268800	U-LBR\$_HDRTRUNC
00268808	U-LBR\$_NOUPDHIST
00268810	U-LBR\$_NULIDX
00268818	U-LBR\$_OLDMISMCH
00268820	U-LBR\$_RECTRUNC
00268828	U-LBR\$_STILLKEYS

Value	Symbols...
-----	-----
00268830	U-LBR\$ _TYPMISMCH
00268838	U-LBR\$ _NOMTCHFOU
00268840	U-LBR\$ _ERRCLOSE
00268848	U-LBR\$ _ENDTOPIC
00269002	U-LBR\$ _ALLWRNGBLK
0026900A	U-LBR\$ _DUPKEY
00269012	U-LBR\$ _ILLCTL
0026901A	U-LBR\$ _ILLCREOPT
00269022	U-LBR\$ _ILLIDXNUM
0026902A	U-LBR\$ _ILLFMT
00269032	U-LBR\$ _ILLFUNC
0026903A	U-LBR\$ _ILLOP
00269042	U-LBR\$ _ILLTYP
0026904A	U-LBR\$ _INVKEY
00269052	U-LBR\$ _INVNAM
0026905A	U-LBR\$ _INVRFA
00269062	U-LBR\$ _KEYNOTFND
0026906A	U-LBR\$ _LIBNOTOPN
00269072	U-LBR\$ _LKPNOTDON
0026907A	U-LBR\$ _LIBOPN
00269082	U-LBR\$ _NOFILNAM
0026908A	U-LBR\$ _NOHLPTXT
00269092	U-LBR\$ _NOTHLPLIB
0026909A	U-LBR\$ _RECLNG
002690A2	U-LBR\$ _REFCNTZERO
002690AA	U-LBR\$ _RFAPASTEOP
002690B2	U-LBR\$ _TOOMNYLIB
002690BA	U-LBR\$ _UPDURTRAV
002690C2	U-LBR\$ _BADPARAM
002690CA	U-LBR\$ _INTRNLERR
002690D2	U-LBR\$ _WRITEERR
002690DA	U-LBR\$ _ILLOUTROU
002690E2	U-LBR\$ _ILLOUTWID
002690EA	U-LBR\$ _ILLINROU
002690F2	U-LBR\$ _TOOMNYARG
002690FA	U-LBR\$ _USRINPERR
00269102	LBR\$ _NOHLPLIBS
00F68001	DCX\$ _NORMAL
00F68403	DCX\$ _AGAIN
00F68800	DCX\$ _TRUNC
00F69002	DCX\$ _INVARG
00F6900A	DCX\$ _INVDATA
00F69012	DCX\$ _INVCTX
00F69022	DCX\$ _INVMAP
7FFFEDE28	SYSS\$ADJWSL
7FFFEDE58	SYSS\$BINTIM
7FFFEDF48	SYSS\$XPREG
7FFFEDF50	SYSS\$FAO
7FFFEDF78	SYSS\$GETTIM
7FFFEDF90	SYSS\$IMGACT
7FFEDFF8	SYSS\$SETAST
7FFEE020	SYSS\$SETIMR

:  
:  
:  
D



Value	Symbols...
-----	-----
7FFEE058	SYS\$TRNLOG
7FFEE078	SYS\$WAITFR
7FFEE118	SYS\$SRCHANDLER
7FFEE188	SYS\$PUT
7FFEE190	SYS\$READ
7FFEE1A8	SYS\$WAIT
7FFEE1B0	SYS\$WRITE
7FFEE1B8	SYS\$CLOSE
7FFEE1C0	SYS\$CONNECT
7FFEE1C8	SYS\$CREATE
7FFEE1D0	SYS\$DISCONNECT
7FFEE208	SYS\$OPEN
7FFEE230	SYS\$PARSE
7FFEE248	SYS\$SEARCH
7FFEE400	SYS\$IMGFIX

Key for special characters above:

*	- Undefined
U	- Universal
R	- Relocatable
X	- External

-----  
! Image Synopsis !  
-----

Virtual memory allocated:  
Stack size:  
Image header virtual block limits:  
Image binary virtual block limits:  
Image name and identification:  
Number of files:  
Number of modules:  
Number of program sections:  
Number of global symbols:  
Number of cross references:  
Number of image sections:  
Image type:  
Map format:  
Estimated map length:

00000000 000075FF 00007600 (30208. bytes, 59. pages)

0. pages

1.

1. ( 1. block)

2.

60. ( 59. blocks)

LBRSHR V04-000

4.

27.

10.

145.

508.

4.

PIC, SHAREABLE. Global Section Match=LESS/EQUAL, Ident, Major=2, Minor=9  
FULL WITH CROSS REFERENCE in file \_\$255\$DUA28:[LBR.LIS]LBRSHR.MAP;1  
76. blocks

-----  
! Link Run Statistics !  
-----

Performance Indicators

	Page Faults	CPU Time	Elapsed Time
Command processing:	183	00:00:01.20	00:00:02.53
Pass 1:	150	00:00:01.99	00:00:03.95
Allocation/Relocation:	39	00:00:00.31	00:00:00.80
Pass 2:	91	00:00:01.75	00:00:03.40
Map data after object module synopsis:	20	00:00:01.65	00:00:01.78
Symbol table output:	10	00:00:00.17	00:00:00.74
Total run values:	493	00:00:07.07	00:00:13.20

Using a working set limited to 1200 pages and 101 pages of data storage (excluding image)

Total number object records read (both passes): 1625  
of which 813 were in libraries and 176 were DEBUG data records containing 14189 bytes

Number of modules extracted explicitly = 14  
with 12 extracted to resolve undefined symbols

28 library searches were for symbols not in the library searched

A total of 16 global symbol table records was written

LINK/NOSYSSHR/SHARE=EXE\$:LBRSHR/MAP=MAP\$:LBRSHR/FULL/CROSS/SYMBOL=EXE\$:LBRSHR SYSS\$INPUT:/OPTIONS

Options for LBRSHRLNK.COM

Put the transfer vector up front

LIB\$:LBR/INCLUDE=(LBR\_TRANSFER,-

Place the LBRSHR routines immediately after

CACHE,- !Cache routines



GETMEM,-	!Memory allocation/deallocation
LBRMSG,-	!Message codes
LBR_DATA,-	!Global data
LBR_GETHELP,-	!Extract HELP text
LBR_GETPUT,-	!Read/write records
LBR_INDEX,-	!Index manipulation
LBR_OLDLIB,-	!VMS R1 format routines
LBR_OPENCLOSE,-	!Open/close library
LBR_OUTPUTHELP,-	!Prompting and library searching help
LBR_PUTCACHE,-	!Write cache to library
LBR_SUBS,-	!Subroutines
PADJ	!Padding for expansion/patching

Link off of DCXSHR's symbol table

LIBD\$:[DCX.OBJ]DCXSHR.STB

Tweak transfer vector attributes to place it first

PSECT=\$\$VECTOR 0 LBR,NOPIC  
PSECT=\_LIB\$CODE,NOPIC,NOSHR

Set Global Section match control

GSMATCH=LEQUAL,2,9

Define universal symbols

UNIVERSAL= -	
LBR\$CLOSE,-	!Close library
LBR\$DCX_MAP,-	!Get a DCX map
LBR\$DELETE_DATA,-	!Delete data
LBR\$DELETE_KEY,-	!Delete key
LBR\$FIND,-	!Lookup by RFA
LBR\$FLUSH,-	!Flush cache
LBR\$GET_HEADER,-	!Return library header
LBR\$GET_HELP,-	!Return HELP text
LBR\$GET_HISTORY,-	!Return library history records
LBR\$GET_RECORD,-	!Read text record
LBR\$INI_CONTROL,-	!Initialize control
LBR\$INSERT_TIME,-	!Insert date/time into module header
LBR\$INSERT_KEY,-	!Insert key
LBR\$LOOKUP_KEY,-	!Lookup key
LBR\$OPEN,-	!Open library
LBR\$OUTPUT_HELP,-	!Prompting and library searching help
LBR\$PUT_END,-	!Terminate writing module text
LBR\$PUT_HISTORY,-	!Build library update history
LBR\$PUT_RECORD,-	!Write module text record
LBR\$SEARCH,-	!Search index for given RFA
LBR\$SET_INDEX,-	!Set current index
LBR\$SET_LOCATE,-	!Set locate mode
LBR\$SET_MODULE,-	!Return / update module header
LBR\$SET_MOVE,-	!Set move mode
LBR\$RET_RMSSIV,-	!Return RMS status value
LBR\$GL_CONTROL,-	!Pointer to library context block

LBR\$GL\_RMSSTV,- !RMS STV on errors

```

! LBR messages
! Success
  lbr$_normal,-
  lbr$_keyindex,-
  lbr$_keyins,-
  lbr$_oldlibrary,-
! Informational codes
  lbr$_nohistory,-
  lbr$_emptyhist,-
! Warning codes
  lbr$_hdrtrunc,-
  lbr$_noupdhist,-
  lbr$_nulidx,-
  lbr$_oldmismch,-
  lbr$_rectrunc,-
  lbr$_stillkeys,-
  lbr$_typmismch,-
  lbr$_nomtchfou,-
  lbr$_errclose,-
  lbr$_endtopic,-
! Error codes
  lbr$_allwrngblk,-
  lbr$_dupkey,-
  lbr$_illctl,-
  lbr$_illcreopt,-
  lbr$_illidxnum,-
  lbr$_illfmt,-
  lbr$_illfunc,-
  lbr$_illop,-
  lbr$_illtyp,-
  lbr$_invkey,-
  lbr$_invnam,-
  lbr$_invrfa,-
  lbr$_keynotfnd,-
  lbr$_libnotopn,-
  lbr$_lkpnotdon,-
  lbr$_libopn,-
  lbr$_nofilnam,-
  lbr$_nohlptxt,-
  lbr$_nothlplib,-
  lbr$_reclng,-
  lbr$_refcntzero,-
  lbr$_rfapasteof,-
  lbr$_toomnylib,-
  lbr$_updurtrav,-
  lbr$_badparam,-
  lbr$_intrnlerr,-
  lbr$_writeerr,-
  lbr$_illoutrou,-
  lbr$_illoutwid,-
  lbr$_illinrou,-
  lbr$_toomnyarg,-
  lbr$_usrinperr

```



\_\$255\$DUA28:[LBR.OBJ]LBRSHR.EXE;1

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16-SEP-1984 04:16

VAX-11 Linker V04-00

Page 17

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